

SCRIPTING CUSTOM FORMS



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). DEFAULT FORMS

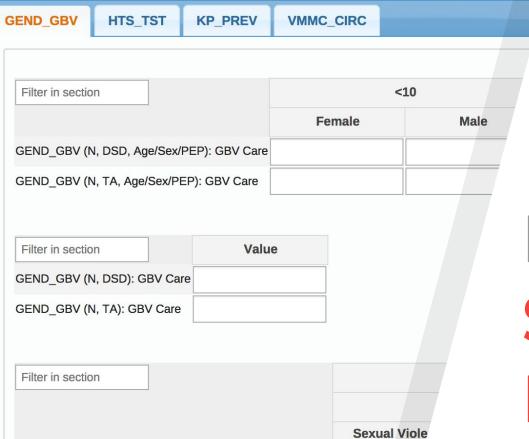
HIV Status (Inc Unknown) and

Filter in section	Positive
	Male
VMMC_CIRC (N, DSD, HIVStatus/Sex): Voluntary Circumcised	
VMMC_CIRC (N, TA, HIVStatus/Sex): Voluntary Circumcised	

DHIS 2 STANDARD FORM

KP_PREV (N, DSD, KeyPop) v2: Key Pop Preventive

KP_PREV (N, TA, KeyPop) v2: Key Pop Preventive



GEND GBV (N, DSD, Age/Sex/ViolenceType) v2: GBV Care

GEND GBV (N, TA, Age/Sex/ViolenceType) v2: GBV Care

(Post-Rape

DHIS 2 SECTION FORM

DHIS 2 FORMS

- ► Default
 - ▷Alphabetic
 - Category combos all separate
- ► Section
 - Category combos still separate
- Custom
 - ▶Exactly how you want it
 - ▶...Difficult to maintain

CUSTOM FORMS



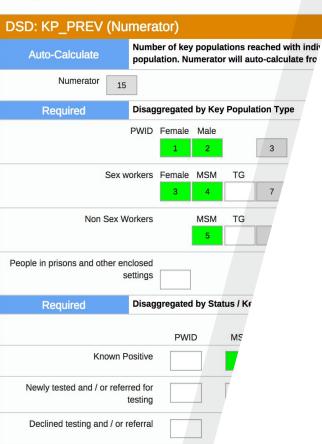
Prevention

90 = Knowing HIV Status

Health Systems

DSD TA-SDI

- Collapse All



CUSTOM RESULT

CUSTOM FEATURES

- Vertical and horizontal tabbed navigation
- Autocalculation
- Mutual exclusion
- ► Validation rules
- ► Drafts in static HTML

CUSTOM PROCESS

- ▶ Numerous
- ► Frequent
- Many entry fields
- ► Interactive
- ► Precise
- ▶ Urgent

THE APPROACH

CONTROL FILE PROCESSED BY SCRIPT

- Spreadsheet control file (CSV)
- ► HTML templates
- Python script processes them to create assets to upload to DHIS 2
- ► The two together are called MERtide (MER = Monitoring, Evaluation, and Reporting)

Туре	form_name	vtab_name	ind_name	ind_freq	ctl_uniqueid	ctl_ex ctl_r
FORM	MERTIDE Cus					
VTAB		Prevention				
IND			VMMC_CIRC	Quarterly		
SUB					vmmc_circ_numerator	
SUB					vmmc_circ_5year	,
SUB						
SUB						
IND			KP_PREV (Nu	Semiannuall	y	
SUB						
SUB					kp_prev_numerator	
SUB						
IND			GEND_GBV	Annually		
SUB					gend_gbv_numerator	
SUB						
SUB						
SUB					gend_gbv_violence_service_type	
SUB					gend_gbv_pep	
VTAB		90 = Knowin	Total Account to the Control of the			
IND			HTS_TST (Fac	Quarterly		
SUB					hts_tst_facility_numerator	
SUB						
FORM	MERTIDE Sec					CONTROL
VTAB		Prevention				
IND			VMMC_CIRC	Quarterly		
SUB					vmmc_circ_numerator	
SUB					vmmc_circ_5year	FILE
SUB						FILE
SUB						
IND			KP_PREV (Nu	Semiannuall	У.	
SUB						
SUB					kp_prev_numerator	
SUB	-					
IND			GEND_GBV	Annually	Market and the second s	
SUB	I.				gend_gbv_numerat	
SUB						

CONTROL FILE FEATURES

- ► FORM, VTAB, IND, SUB
- ► HTML template
- ► Rules
 - ▶ Mutual exclusive
 - **Autocalculation**
 - DHIS 2 Rules
 - ▶Frequency Locks

FILES GENERATED

- ► A file to import the forms into DHIS 2
- ► Three files to import the validation rules into DHIS 2
- Static HTML versions of the forms

4.
CODA

FUTURE WORK

- ► Better documentation for open source repository
- ► DHIS 2 validation rules implemented in form's Javascript
- ► Improved code quality (CSS, Python, etc.)
- Speed improvements with fewer API calls
- Option for Javascript-only DHIS 2 form customization

COLLABORATORS

- ► Jim Grace (HISP US)
- ► Tim Harding (BAO)
- ► Greg Wilson (BAO)

THANKS!

Any questions?

Contact: ben@dhis2.org and tharding@baosystems.com

Supporting files on Github: bit.ly/hispus_scf

Open source repo: github.com/pepfar-datim/mertide-public